

ROBERT E. BUSHNELL*†

R. E. BUSHNELL

ATTORNEY AT LAW

1522 K STREET, N.W., SUITE 300
WASHINGTON, D.C. 20005-1202
UNITED STATES OF AMERICA

19 April 2004

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 408-9040

FACSIMILE (202) 289-7100

FACSIMILE (202) 628-3835

FACSIMILE (410) 747-0022

E-MAIL: REBUSHNELL@AOL.COM

OF COUNSEL

RICHARD H. STERN*

HENRY M. ZYKORIE

MICHAEL D. PARKER
(REG. PATENT AGENT)

† ADMITTED IN MARYLAND
* ADMITTED IN VIRGINIA
† ADMITTED IN NEW YORK
* ADMITTED IN CONNECTICUT
* ADMITTED IN NEW JERSEY
* NOT ADMITTED IN D.C.

- ☐ U.S. Postal Service
☐ Via Local Courier
☐ Via International Courier
☐ Via Facsimile No. _____
☐ Via E-Mail Attachment
☐ Please Acknowledge Receipt

22386 U.S. PTO
10/826413

Mail Stop Patent Application

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Attorney Docket: P57053

Sir:

Submitted herewith is the following patent application:

Inventor: (1) JUN-HYUK LEE (3) DOO-YONG YANG
(2) SOO-HWAN KIM

Title: PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM AND
DATA SERVICE METHOD

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 5 sheets, Figures 1 through 5

Claim of priority under 35 U.S.C. §119: **YES**

** The Republic Of Korea Application No. 2003-27335 filed 29 April 2003

FEE (see formula below): CHECKS ENCLOSED (## 45528, 45529)

Basic Fee \$385/770 **\$770.00**

Additional Fees:

Total number of claims in excess of 20: ____ times \$9/18 . **\$0.00**

Number of independent claims in excess of 3: ____ times \$43/86 **\$0.00**

Multiple Dependent Claims \$145/290 **\$0.00**

An Assignment is likewise enclosed: Recording Fee \$40 . . **\$40.00**

Filing Non-English specification **\$0.00**

TOTAL FEES FOR THE ABOVE APPLICATION \$810.00

Commissioner for Patents

19 April 2004

Page Two

Docket No.: P57053

Inventor: (1) JUN-HYUK LEE (3) DOO-YONG YANG
 (2) SOO-HWAN KIM

Title: **PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM AND
DATA SERVICE METHOD**

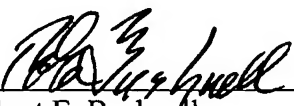
The Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the issue fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005-1202

Respectfully submitted,



Robert E. Bushnell
(Registration No. 27,774)
Payor No.: 008-439
Attorney for the Applicant
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005-1202

Telephone: (202) 408-9040
Telefacsimile: (202) 289-7100

REB/kf

13281 U.S. PTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <p style="margin: 5px 0;">Patent fees are subject to annual revision.</p>		Complete If Known																																																																																																																																																																																											
		Application Number		to be assigned																																																																																																																																																																																									
		Filing Date		19 April 2004 *																																																																																																																																																																																									
		First Named Inventor		Jun-Hyuk LEE et al.																																																																																																																																																																																									
		Examiner Name		to be assigned																																																																																																																																																																																									
Group/Art Unit		to be assigned																																																																																																																																																																																											
TOTAL AMOUNT OF PAYMENT		(\$) <u>810.00</u>		Attorney Docket No. P57053																																																																																																																																																																																									
METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																																																									
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any deficiency and credit any over payments to:				3. ADDITIONAL FEES																																																																																																																																																																																									
Deposit Account Number: <u>02-4943</u> Deposit Account Number: _____				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge-late filing fee or oath</td> <td>\$</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td>\$</td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td>\$</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td>\$</td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td>\$</td> </tr> <tr> <td>1805</td> <td>1,840 *</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td>\$</td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td>\$</td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> <td>\$</td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> <td>\$</td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> <td>\$</td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td>Extension for reply within fifth month</td> <td>\$</td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> <td>\$</td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td>\$</td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> <td>\$</td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td>\$</td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td>\$</td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> <td>\$</td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> <td>\$</td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> <td>\$</td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> <td>\$</td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td>\$</td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee for provisional applications</td> <td>\$</td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Statement</td> <td>\$</td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (Times number of properties)</td> <td>\$40.00</td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809</td> <td>385</td> <td>Filing a submission after final rejection (37 C.F.R. §1.129(a))</td> <td>\$</td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 C.F.R. §1.129(b))</td> <td>\$</td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> <td>\$</td> </tr> <tr> <td colspan="4">Other Fee (specify) _____</td> <td colspan="2">\$</td> </tr> <tr> <td colspan="4">Other Fee (specify) _____</td> <td colspan="2">\$</td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge-late filing fee or oath	\$	1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	\$	1053	130	1053	130	Non-English specification	\$	1812	2,520	1812	2,520	For filing a request for reexamination	\$	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\$	1805	1,840 *	1805	1,840*	Requesting publication of SIR after Examiner action	\$	1251	110	2251	55	Extension for reply within first month	\$	1252	420	2252	210	Extension for reply within second month	\$	1253	950	2253	475	Extension for reply within third month	\$	1254	1,480	2254	740	Extension for reply within fourth month	\$	1255	2,010	2255	1,005	Extension for reply within fifth month	\$	1401	330	2401	165	Notice of Appeal	\$	1402	330	2402	165	Filing a brief in support of an appeal	\$	1403	290	2403	145	Request for oral hearing	\$	1451	1,510	1451	1,510	Petition to institute a public use proceeding	\$	1452	110	2452	55	Petition to revive - unavoidable	\$	1453	1,330	2453	665	Petition to revive - unintentional	\$	1501	1,330	2501	665	Utility issue fee (or reissue)	\$	1502	480	2502	240	Design issue fee	\$	1503	640	2503	320	Plant issue fee	\$	1460	130	1460	130	Petitions to the Commissioner	\$	1807	50	1807	50	Processing fee for provisional applications	\$	1806	180	1806	180	Submission of Information Disclosure Statement	\$	8021	40	8021	40	Recording each patent assignment per property (Times number of properties)	\$40.00	1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$	1810	770	2810	385	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$	1801	770	2801	385	Request for Continued Examination (RCE)	\$	Other Fee (specify) _____				\$		Other Fee (specify) _____				\$	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
1051	130	2051	65	Surcharge-late filing fee or oath	\$																																																																																																																																																																																								
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	\$																																																																																																																																																																																								
1053	130	1053	130	Non-English specification	\$																																																																																																																																																																																								
1812	2,520	1812	2,520	For filing a request for reexamination	\$																																																																																																																																																																																								
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\$																																																																																																																																																																																								
1805	1,840 *	1805	1,840*	Requesting publication of SIR after Examiner action	\$																																																																																																																																																																																								
1251	110	2251	55	Extension for reply within first month	\$																																																																																																																																																																																								
1252	420	2252	210	Extension for reply within second month	\$																																																																																																																																																																																								
1253	950	2253	475	Extension for reply within third month	\$																																																																																																																																																																																								
1254	1,480	2254	740	Extension for reply within fourth month	\$																																																																																																																																																																																								
1255	2,010	2255	1,005	Extension for reply within fifth month	\$																																																																																																																																																																																								
1401	330	2401	165	Notice of Appeal	\$																																																																																																																																																																																								
1402	330	2402	165	Filing a brief in support of an appeal	\$																																																																																																																																																																																								
1403	290	2403	145	Request for oral hearing	\$																																																																																																																																																																																								
1451	1,510	1451	1,510	Petition to institute a public use proceeding	\$																																																																																																																																																																																								
1452	110	2452	55	Petition to revive - unavoidable	\$																																																																																																																																																																																								
1453	1,330	2453	665	Petition to revive - unintentional	\$																																																																																																																																																																																								
1501	1,330	2501	665	Utility issue fee (or reissue)	\$																																																																																																																																																																																								
1502	480	2502	240	Design issue fee	\$																																																																																																																																																																																								
1503	640	2503	320	Plant issue fee	\$																																																																																																																																																																																								
1460	130	1460	130	Petitions to the Commissioner	\$																																																																																																																																																																																								
1807	50	1807	50	Processing fee for provisional applications	\$																																																																																																																																																																																								
1806	180	1806	180	Submission of Information Disclosure Statement	\$																																																																																																																																																																																								
8021	40	8021	40	Recording each patent assignment per property (Times number of properties)	\$40.00																																																																																																																																																																																								
1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$																																																																																																																																																																																								
1810	770	2810	385	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$																																																																																																																																																																																								
1801	770	2801	385	Request for Continued Examination (RCE)	\$																																																																																																																																																																																								
Other Fee (specify) _____				\$																																																																																																																																																																																									
Other Fee (specify) _____				\$																																																																																																																																																																																									
2. <input type="checkbox"/> Payment Enclosed: (CHECKs #45528 & #45529) <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																																													
FEE CALCULATION																																																																																																																																																																																													
1. BASIC FILING FEE																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>770</td> <td>2001</td> <td>385</td> <td>Utility filing fee</td> <td>\$770.00</td> </tr> <tr> <td>1002</td> <td>340</td> <td>2002</td> <td>170</td> <td>Design filing fee</td> <td>\$</td> </tr> <tr> <td>1003</td> <td>530</td> <td>2003</td> <td>265</td> <td>Plant filing fee</td> <td>\$</td> </tr> <tr> <td>1004</td> <td>770</td> <td>2004</td> <td>385</td> <td>Reissue filing fee</td> <td>\$</td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td>Provisional filing fee</td> <td>\$</td> </tr> <tr> <td colspan="4">SUBTOTAL (1)</td> <td colspan="2">(\$)<u>770.00</u></td> </tr> </tbody> </table>						Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee	\$770.00	1002	340	2002	170	Design filing fee	\$	1003	530	2003	265	Plant filing fee	\$	1004	770	2004	385	Reissue filing fee	\$	1005	160	2005	80	Provisional filing fee	\$	SUBTOTAL (1)				(\$)<u>770.00</u>																																																																																																																																											
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
1001	770	2001	385	Utility filing fee	\$770.00																																																																																																																																																																																								
1002	340	2002	170	Design filing fee	\$																																																																																																																																																																																								
1003	530	2003	265	Plant filing fee	\$																																																																																																																																																																																								
1004	770	2004	385	Reissue filing fee	\$																																																																																																																																																																																								
1005	160	2005	80	Provisional filing fee	\$																																																																																																																																																																																								
SUBTOTAL (1)				(\$)<u>770.00</u>																																																																																																																																																																																									
2. EXTRA CLAIM FEES																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>-20** =</td> <td>x</td> <td>=</td> </tr> <tr> <td>Independent Claims</td> <td>- 3** =</td> <td>x</td> <td>=</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>=</td> </tr> </tbody> </table> <p>** or number previously paid, if greater; For Reissues, see below</p>							Extra Claims	Fee from below	Fee Paid	Total claims	-20** =	x	=	Independent Claims	- 3** =	x	=	Multiple Dependent			=																																																																																																																																																																								
	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																										
Total claims	-20** =	x	=																																																																																																																																																																																										
Independent Claims	- 3** =	x	=																																																																																																																																																																																										
Multiple Dependent			=																																																																																																																																																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1201</td> <td>86</td> <td>2201</td> <td>43</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1202</td> <td>18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1203</td> <td>290</td> <td>2203</td> <td>145</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204</td> <td>86</td> <td>2204</td> <td>43</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205</td> <td>18</td> <td>2205</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="4">SUBTOTAL (2)</td> <td colspan="2">(\$)<u>0.00</u></td> </tr> </tbody> </table>						Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1201	86	2201	43	Independent claims in excess of 3		1202	18	2202	9	Claims in excess of 20		1203	290	2203	145	Multiple dependent claim, if not paid		1204	86	2204	43	** Reissue independent claims over original patent		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)				(\$)<u>0.00</u>																																																																																																																																											
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
1201	86	2201	43	Independent claims in excess of 3																																																																																																																																																																																									
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																									
1203	290	2203	145	Multiple dependent claim, if not paid																																																																																																																																																																																									
1204	86	2204	43	** Reissue independent claims over original patent																																																																																																																																																																																									
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																									
SUBTOTAL (2)				(\$)<u>0.00</u>																																																																																																																																																																																									
				** Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$40.00																																																																																																																																																																																									
SUBMITTED BY				Complete (if applicable)																																																																																																																																																																																									
Typed or Printed Name		Robert E. Bushnell, Esq.		Reg. Number 27,774																																																																																																																																																																																									
Signature		Date 19 April 2004		Deposit Account User ID																																																																																																																																																																																									

REB/kf

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.